

ABSTRACT OF THE DISCLOSURE

[0082] A reinforced liner for cured in place pipe rehabilitation of an existing pipeline having a plurality of high-strength low-elongation fiber bundles disposed circumferentially around the tubular liner at both inner and outer surfaces of a resin absorbent layer of the liner is provided. The bundles of reinforcing fibers are continuous lengths of high modulus fibers laid circumferentially with the ability to stretch to accommodate variations in host pipe diameter. The fibers on the inner surface are secured to a porous scrim to form an inner tubular reinforcing layer. A resin absorbent layer is formed into a tube about the inner layer. An outer layer of bundles of reinforcing fiber are formed into a tube about the absorbent layer. An outer impermeable tubular layer is wrapped around the inner layers. The reinforcing layer may include longitudinal reinforcing fiber in either or both reinforcing layers to increase the longitudinal strength of the liner.